

Specifications — RGB 302 Universal Interface

Video

Gain	0.35V to 1.45V p-p
Bandwidth	220 MHz (-3dB)

Video input

Number/signal type	1 analog/ECL RGBHV, RGBS, RGsB, RsGsBs
Connectors	1 9-pin male for MBC/LBC cable or buffer
Minimum/maximum levels	Analog 0.3V to 1.45V p-p with no offset at unity gain
Impedance	75 ohms or HiZ, switchable (set to 75 ohms if no local monitor is connected)
Horizontal frequency	Autoscan 15 kHz to 125 kHz
Vertical frequency	Autoscan 30 Hz to 120 Hz
LCD horizontal frequency	10 kHz to 150 kHz
LCD vertical frequency	30 Hz to 200 Hz
Return loss	-30dB @ 5 MHz
Maximum DC offset	4.0V

Video output

Number/signal type	1 analog RGBHV, RGBS, RGsB
Connectors	5 BNC female
Minimum/maximum levels	0.35V to 1.45V p-p with 0.7V p-p input
Impedance	75 ohms
Return loss	-30dB @ 5 MHz

Sync

Input type	RGBHV TTL (\pm), RGBS TTL (\pm), RGsB (-) 0.3Vm RsGsBs (-) 1.3V
Output type	Autodetect RGBHV (\pm), RGBS (\pm), RGsB (-)
Input level	2V to 5.5V p-p with ± 0.2 VDC offset max.
Output level	4V to 5V p-p
Input impedance	10 kohms
Output impedance	75 ohms
Input sensitivity	0.3V to 5V p-p
Max. propagation delay	48 nS
Max. rise/fall time	3.5 nS
Polarity	RGBHV when input is RGBHV, polarity follows input; otherwise negative RGBS, RGsB negative

Audio

Gain	Unbalanced 0dB, balanced +6dB
Frequency response	20 Hz to 20 kHz, ± 0.05 dB
THD + Noise	0.03% @ 1 kHz, 0.3% @ 20 kHz at rated maximum output drive
S/N	>90dB at rated maximum output (14dBu), balanced
Stereo channel separation	>95dB @ 1 kHz to 20 kHz

Audio input

Number/signal type	1 PC level stereo, unbalanced
Connectors	1 3.5 mm stereo jack, female (2 channel); tip (L), ring (R), sleeve (ground)
Impedance	>10 kohms unbalanced, DC coupled
Minimum level	100mV
Maximum level	+8.5dBu, (balanced or unbalanced) at stated %THD+N

Audio output

Number/signal type	1 stereo (2 channel), balanced/unbalanced
Connectors	2 3.5 mm stereo jacks, female, for left and right output
Impedance	50 ohms unbalanced, 100 ohms balanced
Gain error	±0.1dB channel to channel
Maximum level (600 ohm)	> +14dBm, balanced at stated %THD+N

Control/remote — interface

Serial control port	RS-232 , 9-pin female D connector
Baud rate and protocol	9600, 8-bit, 1 stop bit, no parity
Serial control pin configurations.	2 = TX, 3 = RX, 5 = GND
Program control	Extron's control program for Windows® Extron's Simple Instruction Set™ – SIS™

General

Power	100VAC to 240VAC, 50/60 Hz, 15 watts, internal, auto-switchable
MBC power jack	9.0VDC, 150 mA
Temperature/humidity	Storage -40° to +158°F (-40° to +70°C) / 10% to 90%, non-condensing Operating +32° to +122°F (0° to +50°C) / 10% to 90%, non-condensing
Rack mount	Yes, with optional rack shelf, part #60-190-01
Enclosure type	Metal
Enclosure dimensions	1.75" H x 8.75" W x 9.5" D (1U high, half rack width) 4.45 cm H x 22.23 cm W x 24.13 cm D (Depth excludes connectors.)
Product weight	2.9 lbs (1.3 kg)
Shipping weight	6 lbs (2.7 kg)
Vibration	ISTA/NSTA 1A in carton (International Safe Transit Association)
Listings	UL
Compliances	CE, FCC Class A
MTBF	30,000 hours
Warranty	3 years parts and labor

NOTE Specifications are subject to change without notice.

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